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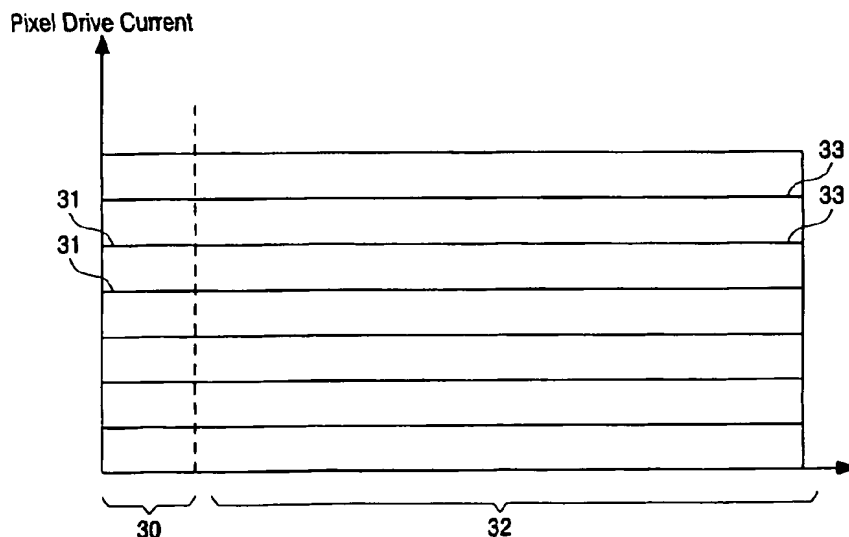
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(54) Title: ELECTROLUMINESCENT DISPLAY DEVICE TO DISPLAY LOW BRIGHTNESS UNIFORMLY



(57) Abstract: An electroluminescent (EL) display device has current-driven pixels and is operable in at least two phases within each frame period. In one phase, one of a first plurality (31) of analogue drive currents can be driven through EL display element. In another longer phase, one of a second plurality (33) of analogue drive currents is independently driven through the EL display element. This device combines a time ratio method with an analogue drive scheme. A shorter phase may provide the higher resolution (smaller) increments and one longer phase may provide lower resolution (larger) increments. Low brightness outputs can be achieved with a higher drive current, but over a short duration, which reduces non-uniformity in the pixel output.

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